

Lockheed Martin
Scientific Engineering, Response and Analytical Services
2890 Woodbridge Avenue Building 209
Edison, NJ 08837-3679
Telephone 732-321-4200 Facsimile 732-494-4021

DATE: February 22, 2012

TO: Kelley Chase, EPA Region 3 OSC
Cynthia Caporale, EPA Region 3 OASQA

THROUGH: **Ex. 4 - CBI** SERAS Program Manager

FROM: **Ex. 4 - CBI** SERAS QA/QC Officer

SUBJECT: VERIFICATION/COMPLETENESS CHECK – DIMOCK, PA LABORATORY DATA
File 1201013 FINAL PART 3 of 3 R33907 02 17 12 1608.pdf

INTRODUCTION

On February 22, 2012, a review of the case narratives and corresponding certificates of analysis from the EPA R3 (WO 1201013 PART 3 Posted Feb 17)) was conducted at the SERAS facility in accordance with the Follow-Up Verification/Completeness Check agreed upon during our teleconference on Wednesday 2/8/12.

The assumptions for this review include the following: 1) Case narratives from the Regional labs and/or subcontract labs have been reviewed in accordance with Regional or Environmental Services Assessment Team (ESAT) protocols and contain all pertinent and complete information to conduct the completeness check. SERAS will base this review on the information provided by the laboratory and not on an actual data package; and 2) SERAS will relay any “red” flags to the EPA R3 personnel to resolve and determine data usability.

OBSERVATIONS

In accordance with Table 1 – Field and QC Sampling Summary (Rev01 - 2/3/12), Table 2 – Sample Analytical Requirements Summary (Rev01 – 2/3/12), Methods for Groundwater and Surface Water Samples and the R3 SOPs R3QA108-110811 (anions by IC), R3QA163-110811 (oil & grease), R3QA131-080311 (total mercury), Method 365.4 (total phosphorous), Method 353.2 using flow injection (nitrate/nitrite as nitrogen), R3QA105-110811 (total dissolved solids), Method 353.2 using flow injection (total nitrogen) and R3QA106-110311 (total suspended solids), the following observations were noted and need to be clarified/resolved.

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1. A comment in the case narrative regarding the nominal Quantitation limit (NQL) for anions does not seem to apply for the chloride (0.500 mg/L), bromide (0.250 mg/L), fluoride (0.100 mg/L) or sulfate (0.500 mg/L) analyses. This comment seems to be for nitrates that were not run by ion chromatography for these samples. Please verify and remove if not applicable.
2. For oil and grease run under Batch BB20602, the standard reference material (SRM) recovery (38%) was outside the QC limits of 66.6 to 113.2 %. The samples associated with this batch (FB01, HW19, HW19-P, FB02, HW04, FB03, HW02, HW02z, HW01 and HW05) should be flagged estimated (UJ). This information should also be documented in the case narrative.

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3. It is assumed that all required instrument QC in the method was run and was within the criteria listed in the EPA R3 SOPs since this information is not available in the laboratory report.

cc: Sella Burchette, SERAS Project Officer
John Gilbert, ERT WAM
Gary Newhart, ERT WAM

Ex. 4 - CBI

 SERAS Task Leader

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